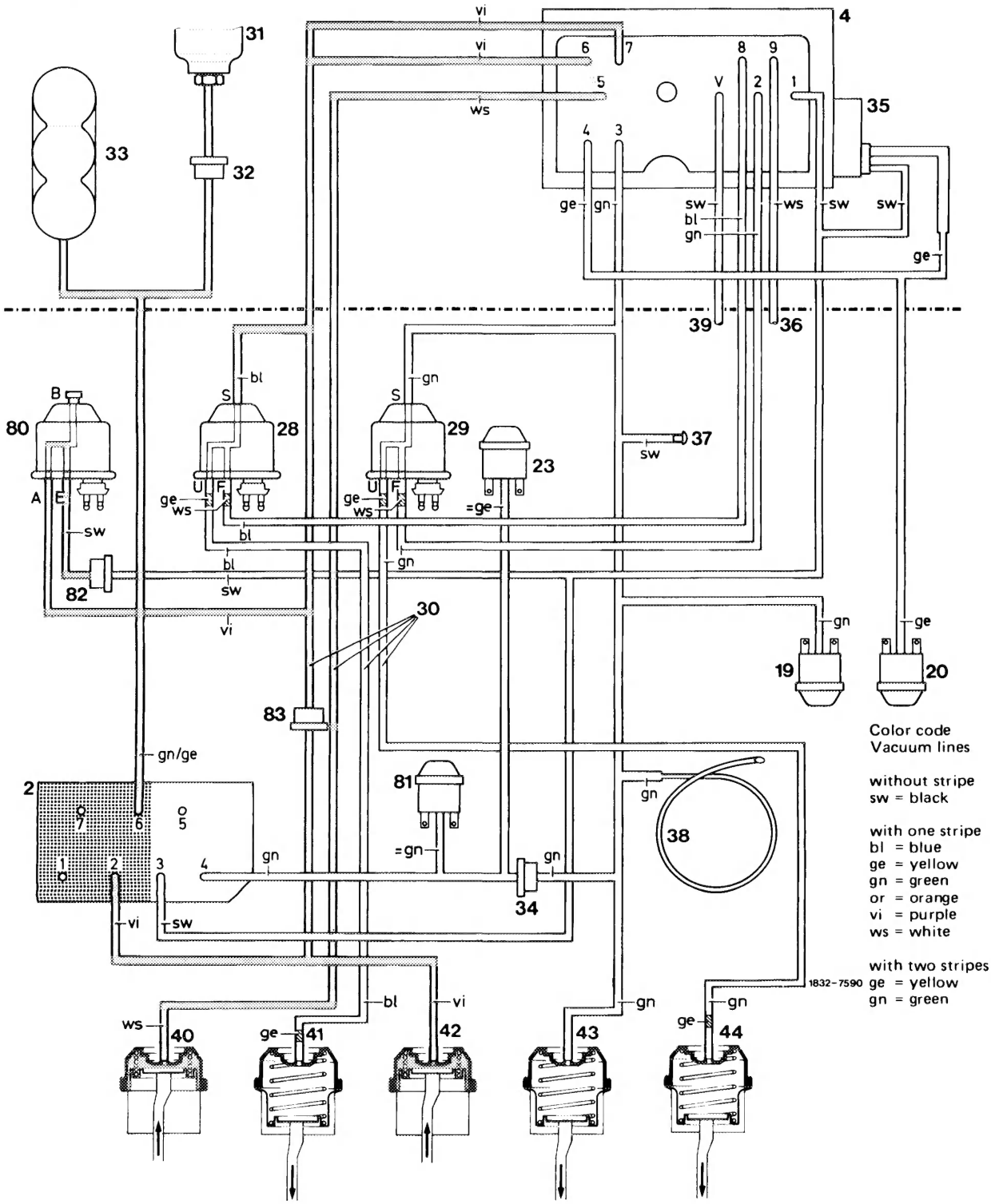
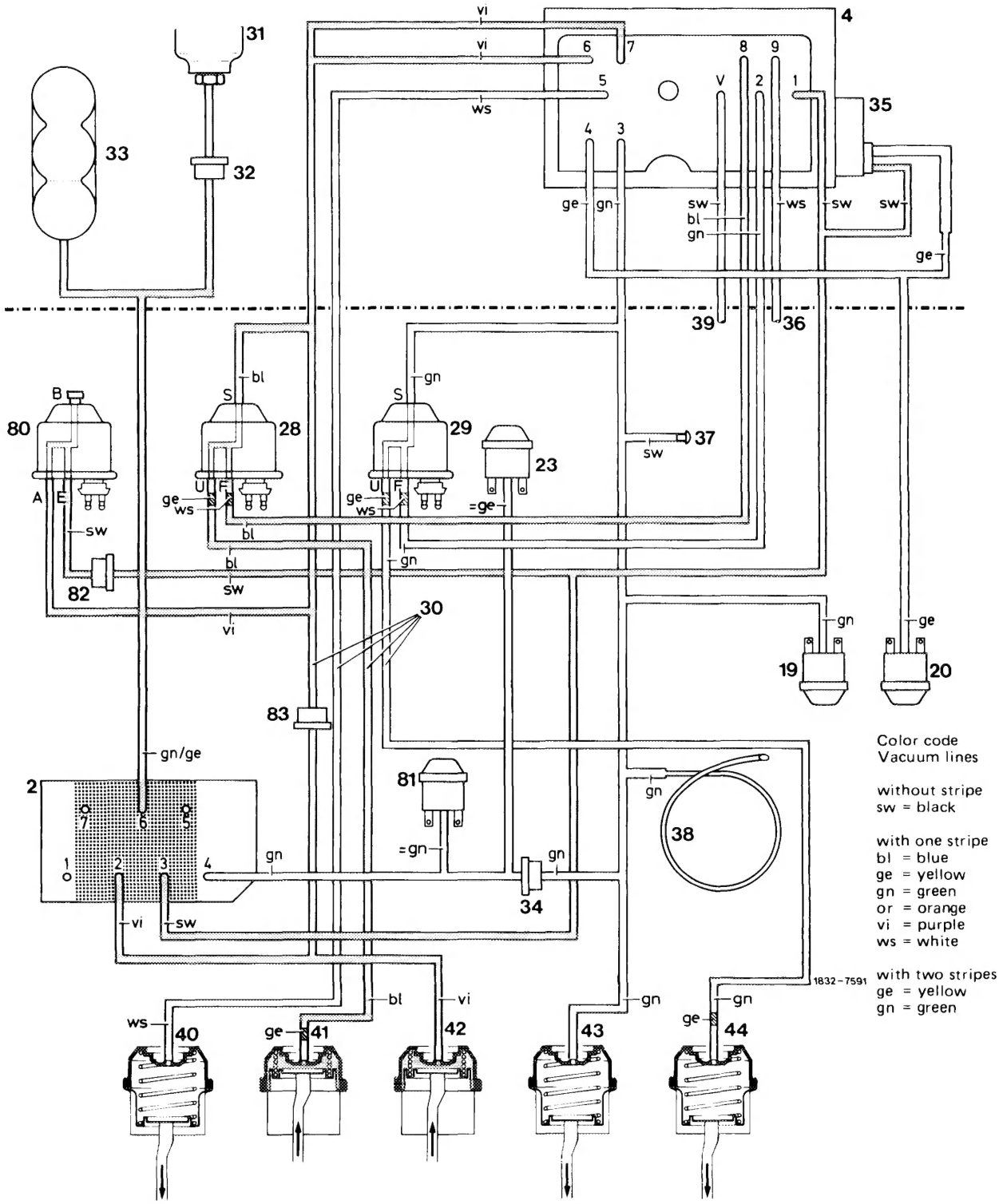


Function diagram 1 Pushbutton switch at "OFF", "ON/OFF" switch refrigerant compressor at "ON"

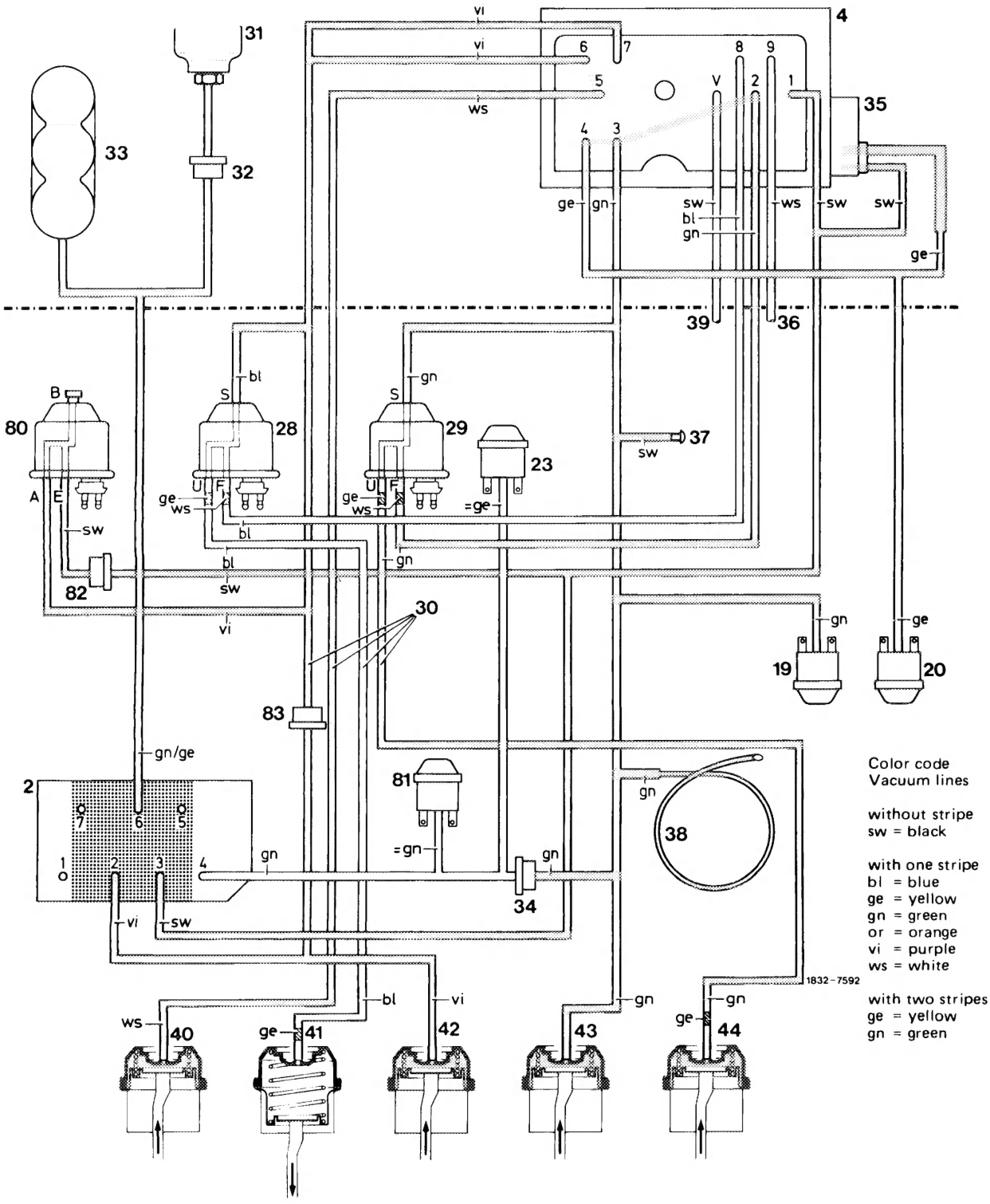
2 Pushbutton switch
4 Regulating valve
19 Vacuum switch (main switch, green)
20 Vacuum switch (refrigerant compressor, yellow)
23 Vacuum switch for refrigerant compressor (at "BI-LEVEL" only)
28 Switchover valve (legroom flaps)
29 Switchover valve (fresh air-recirculating air changeover switch)
30 Vacuum lines
31 Vacuum connection at intake pipe
32 Check valve
33 Vacuum reservoir
34 Check valve
35 Temperature switch
36 Vent line for legroom flaps
37 Vacuum connection for tester
38 Specified leak point
39 Vent line for regulating valve
40 Vacuum element for center jets (flap "open")
41 Vacuum element for legroom flaps (flaps "closed")
42 Vacuum element for defroster jets (flaps "closed")
43 Vacuum element for main air flap (flap "closed")
44 Vacuum element for fresh air-recirculating air flap (flap in position "recirculated air")
80 Switchover valve "BI-LEVEL"
81 Vacuum switch (at "BI-LEVEL" only)
82 Check valve
83 Check valve



Function diagram 1a

Pushbutton switch at "AUTO-LO" or "AUTO-HI", "ON/OFF" switch refrigerant compressor at "ON", regulating valve in position "heating", coolant temperature < 40 °C (< 104 °F)

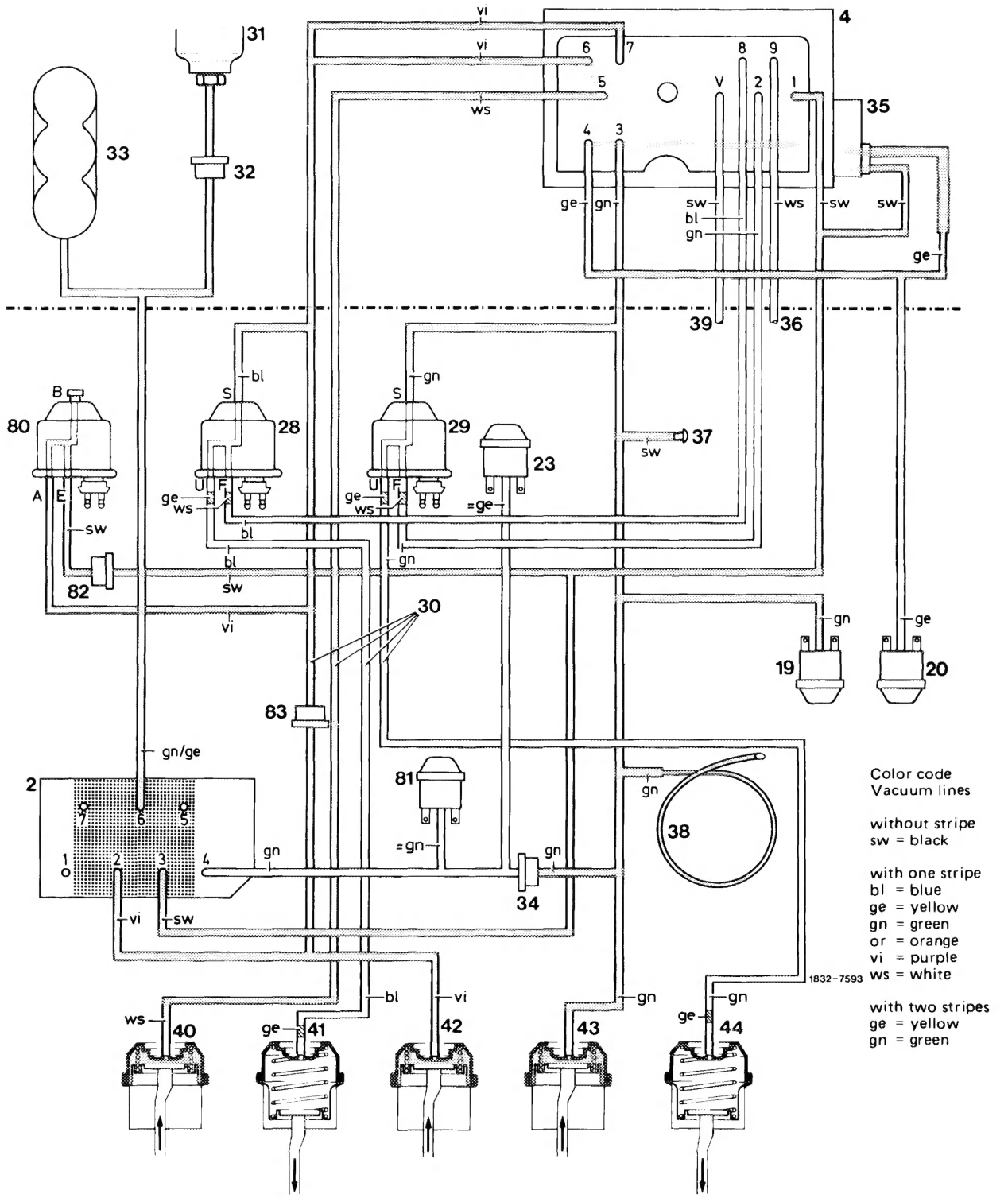
2 Pushbutton switch
4 Regulating valve
19 Vacuum switch (main switch, green)
20 Vacuum switch (refrigerant compressor, yellow)
23 Vacuum switch for refrigerant compressor (at "BI-LEVEL" only)
28 Switchover valve (legroom flaps)
29 Switchover valve (fresh air-recirculating air changeover switch)
30 Vacuum lines
31 Vacuum connection at intake pipe
32 Check valve
33 Vacuum reservoir
34 Check valve
35 Temperature switch
36 Vent line for legroom flaps
37 Vacuum connection for tester
38 Specified leak point
39 Vent line for regulating valve
40 Vacuum element for center jets (flap "closed")
41 Vacuum element for legroom flaps (flaps "open")
42 Vacuum element for defroster jets (flaps "closed")
43 Vacuum element for main air flap (flaps "closed")
44 Vacuum element for fresh air-recirculating air flap (flap in position "recirculated air")
80 Switchover valve "BI-LEVEL"
81 Vacuum switch (at "BI-LEVEL" only)
82 Check valve
83 Check valve



Function diagram 2

Pushbutton switch at "AUTO-LO" or "AUTO-HI", "ON/OFF" switch refrigerant compressor at "ON", regulating valve in position "cooling" (fresh air), coolant temperature > 40 °C (> 104 °F)

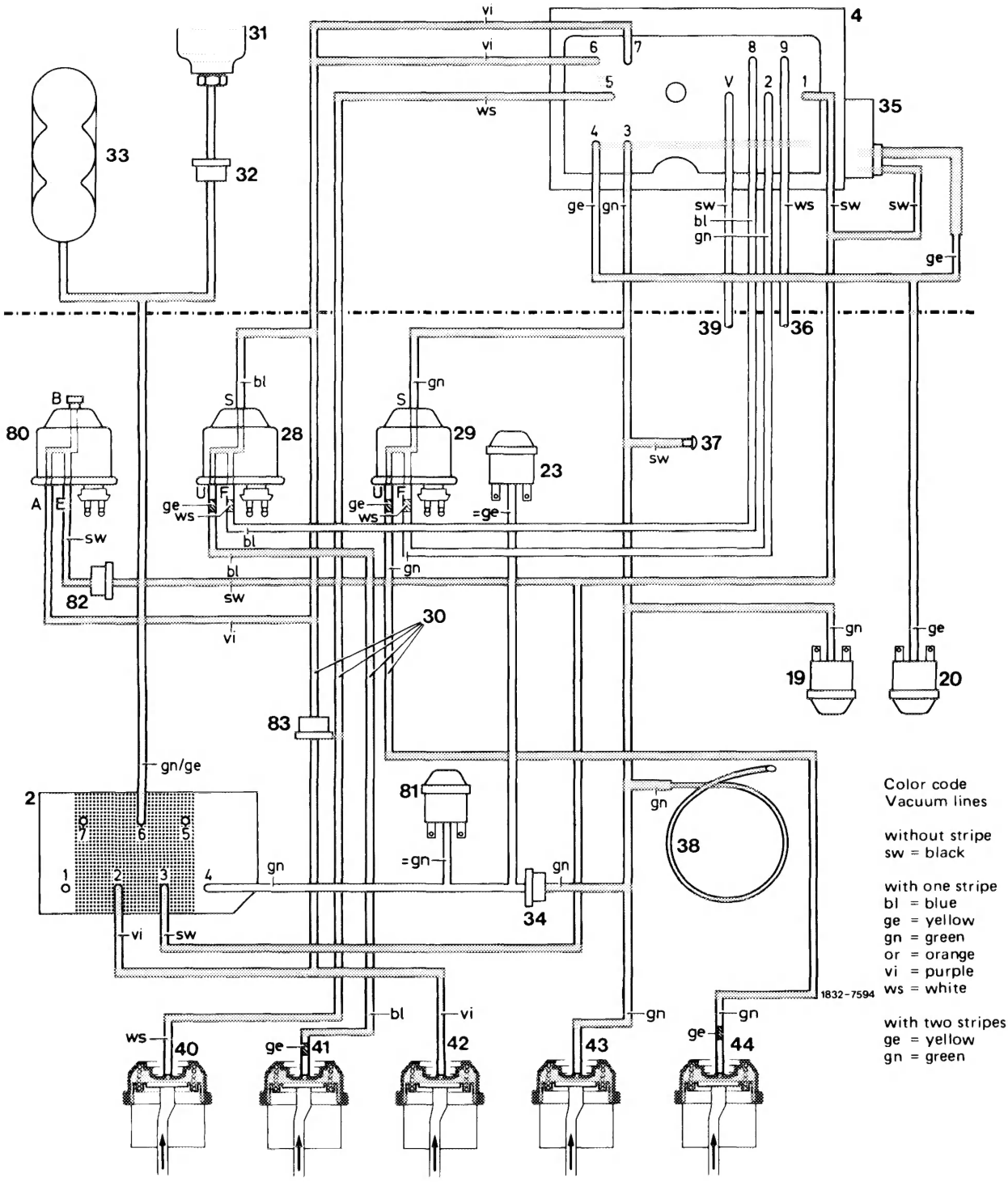
2 Pushbutton switch
4 Regulating valve
19 Vacuum switch (main switch, green)
20 Vacuum switch (refrigerant compressor, yellow)
23 Vacuum switch for refrigerant compressor (at "BI-LEVEL" only)
28 Switchover valve (legroom flaps)
29 Switchover valve (fresh air-recirculating air changeover switch)
30 Vacuum lines
31 Vacuum connection at intake pipe
32 Check valve
33 Vacuum reservoir
34 Check valve
35 Temperature switch
36 Vent line for legroom flaps
37 Vacuum connection for tester
38 Specified leak point
39 Vent line for regulating valve
40 Vacuum element for center jets (flap "open")
41 Vacuum element for legroom flaps (flaps "closed")
42 Vacuum element for defroster jets (flaps "closed" with leak air portion)
43 Vacuum element for main air flap (flap "open")
44 Vacuum element for fresh air-recirculating air flap (flap in position "fresh air")
80 Switchover valve "BI-LEVEL"
81 Vacuum switch (at "BI-LEVEL" only)
82 Check valve
83 Check valve



Function diagram 3

Pushbutton switch at "AUTO-LO" or "AUTO-HI", "ON/OFF" switch refrigerant compressor at "ON", regulating valve in position max. "cooling" (recirculated air), coolant temperature > 40 °C (> 104 °F)

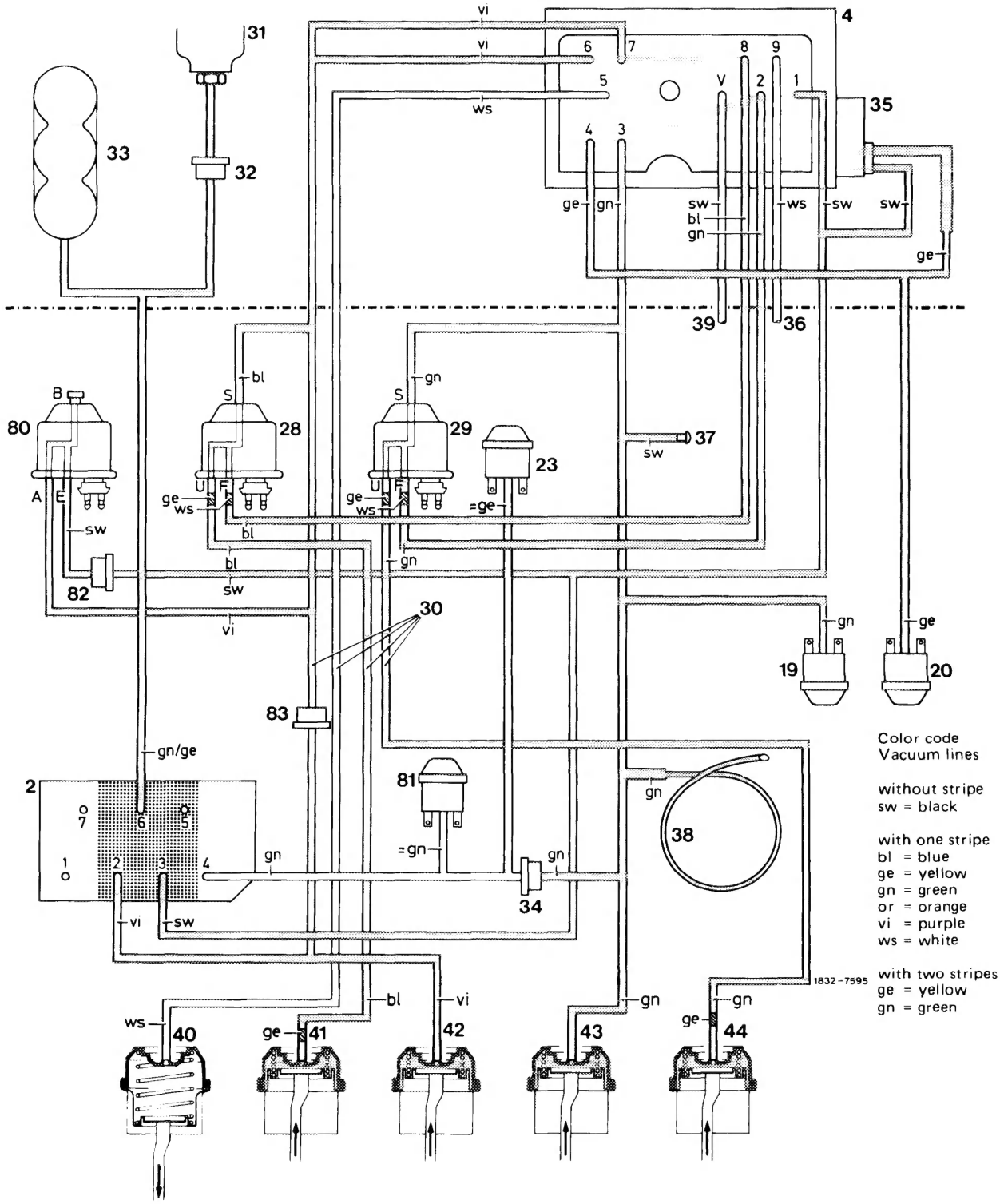
2 Pushbutton switch
4 Regulating valve
19 Vacuum switch (main switch, green)
20 Vacuum switch (refrigerant compressor, yellow)
23 Vacuum switch for refrigerant compressor (at "BI-LEVEL" only)
28 Switchover valve (legroom flaps)
29 Switchover valve (fresh air-recirculating air changeover switch)
30 Vacuum lines
31 Vacuum connection at intake pipe
32 Check valve
33 Vacuum reservoir
34 Check valve
35 Temperature switch
36 Vent line for legroom flaps
37 Vacuum connection for tester
38 Specified leak point
39 Vent line for regulating valve
40 Vacuum element for center jets (flap "open")
41 Vacuum element for legroom flaps (flaps "closed")
42 Vacuum element for defroster jets (flaps "closed" with leak air portion)
43 Vacuum element for main air flap (flap "open")
44 Vacuum element for fresh air-recirculated air flap, (flap in position "recirculated air", 20 % fresh air/80 % recirculated air)
80 Switchover valve "BI-LEVEL"
81 Vacuum switch (at "BI-LEVEL" only)
82 Check valve
83 Check valve



Function diagram 4

Pushbutton switch at "AUTO-LO" or "AUTO-HI", "ON/OFF" switch refrigerant compressor at "OFF", regulating valve in position max. "cooling" (fresh air), coolant temperature > 40 °C (> 104 °F)

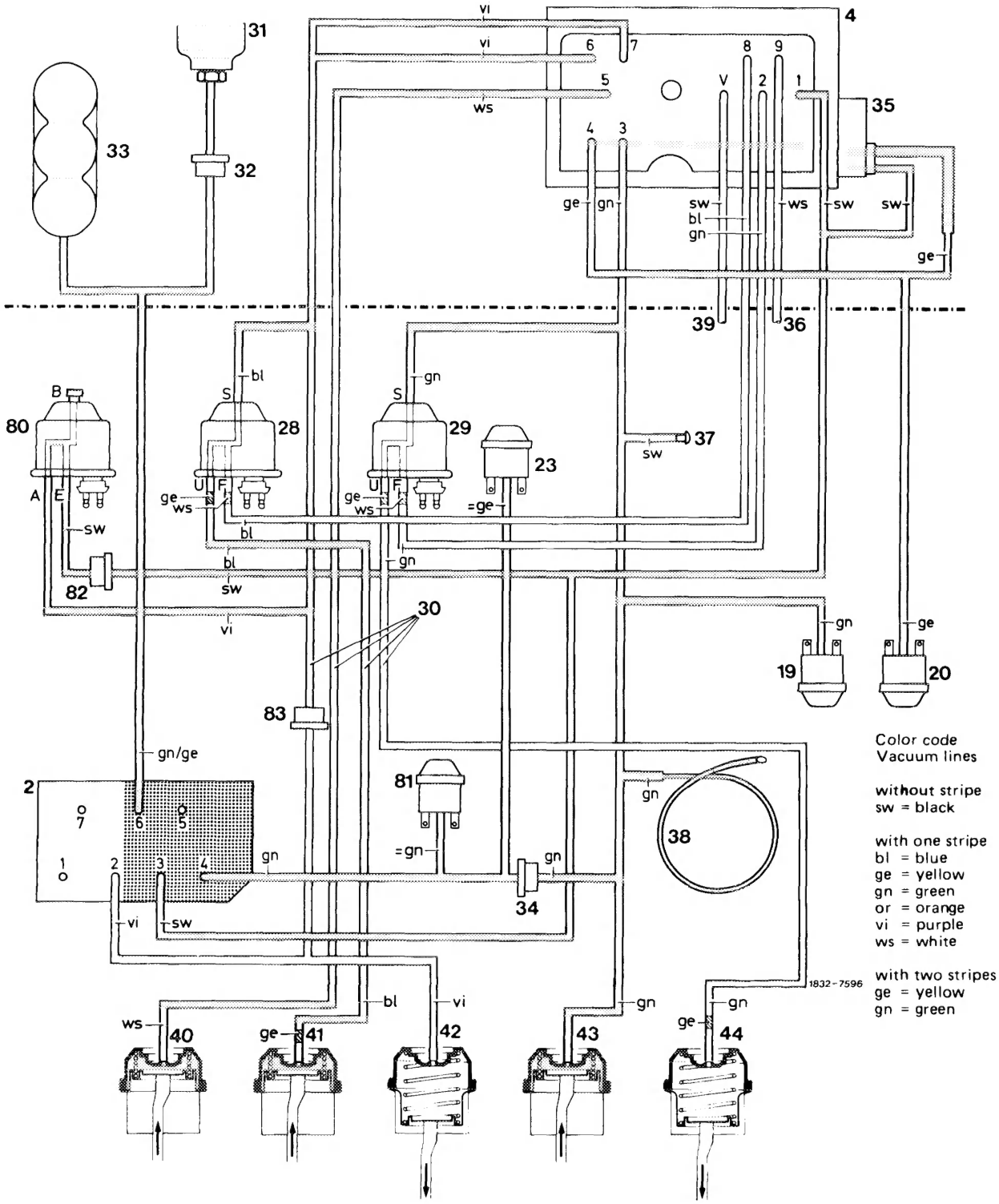
2 Pushbutton switch
4 Regulating valve
19 Vacuum switch (main switch, green)
20 Vacuum switch (refrigerant compressor, yellow)
23 Vacuum switch for refrigerant compressor (at "BI-LEVEL" only)
28 Switchover valve (legroom flaps)
29 Switchover valve (fresh air-recirculating air changeover switch)
30 Vacuum lines
31 Vacuum connection at intake pipe
32 Check valve
33 Vacuum reservoir
34 Check valve
35 Temperature switch
36 Vent line for legroom flaps
37 Vacuum connection for tester
38 Specified leak point
39 Vent line for regulating valve
40 Vacuum element for center jets (flap "open")
41 Vacuum element for legroom flaps (flaps "open")
42 Vacuum element for defroster jets (flaps "closed" with leak air portion)
43 Vacuum element for main air flap (flap "open")
44 Vacuum element for fresh air-recirculated air flap (flap in position "fresh air")
80 Switchover valve "BI-LEVEL"
81 Vacuum switch (at "BI-LEVEL" only)
82 Check valve
83 Check valve



Function diagram 5

Pushbutton switch at "AUTO-LO" or "AUTO-HI", "ON/OFF" switch refrigerant compressor at "ON", regulating valve in position "heating", coolant temperature > 40 °C (> 104 °F)

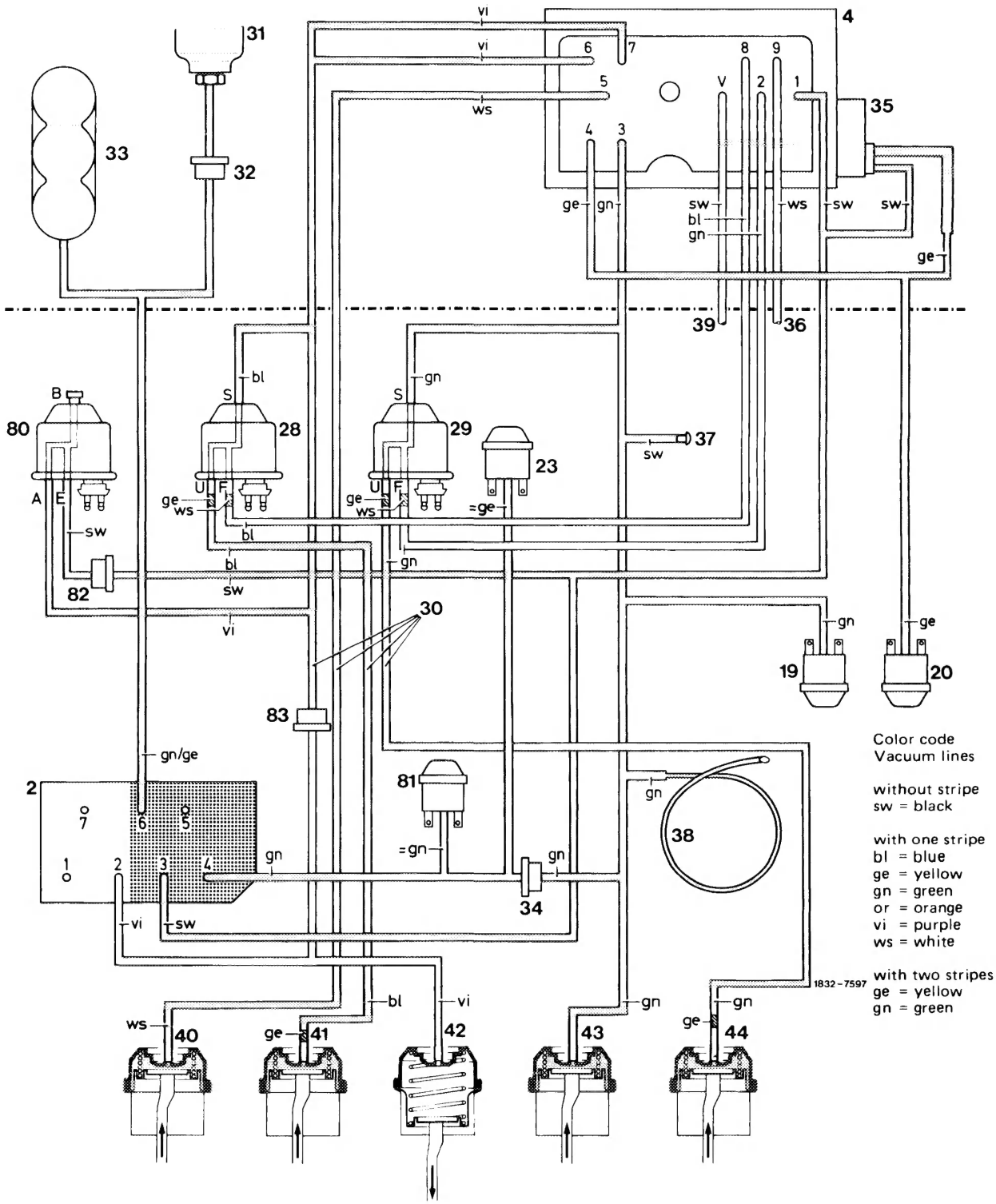
2 Pushbutton switch
4 Regulating valve
19 Vacuum switch (main switch, green)
20 Vacuum switch (refrigerant compressor, yellow)
23 Vacuum switch for refrigerant compressor (at "BI-LEVEL" only)
28 Switchover valve (legroom flaps)
29 Switchover valve (fresh air-recirculating air changeover switch)
30 Vacuum lines
31 Vacuum connection at intake pipe
32 Check valve
33 Vacuum reservoir
34 Check valve
35 Temperature switch
36 Vent line for legroom flaps
37 Vacuum connection for tester
38 Specified leak point
39 Vent line for regulating valve
40 Vacuum element for center jets (flap "closed")
41 Vacuum element for legroom flaps (flaps "open")
42 Vacuum element for defroster jets (flaps "closed" with leak air portion)
43 Vacuum element for main air flap (flap "open")
44 Vacuum element for fresh air-recirculated air flap (flap in position "fresh air")
80 Switchover valve "BI-LEVEL"
81 Vacuum switch (at "BI-LEVEL" only)
82 Check valve
83 Check valve



Function diagram 6

Pushbutton switch at "BI-LEVEL", "ON/OFF" switch refrigerant compressor at "ON", regulating valve in position max. "cooling" (recirculated air), coolant temperature > 40 °C (> 104 °F), (temperature switch [35] without influence)

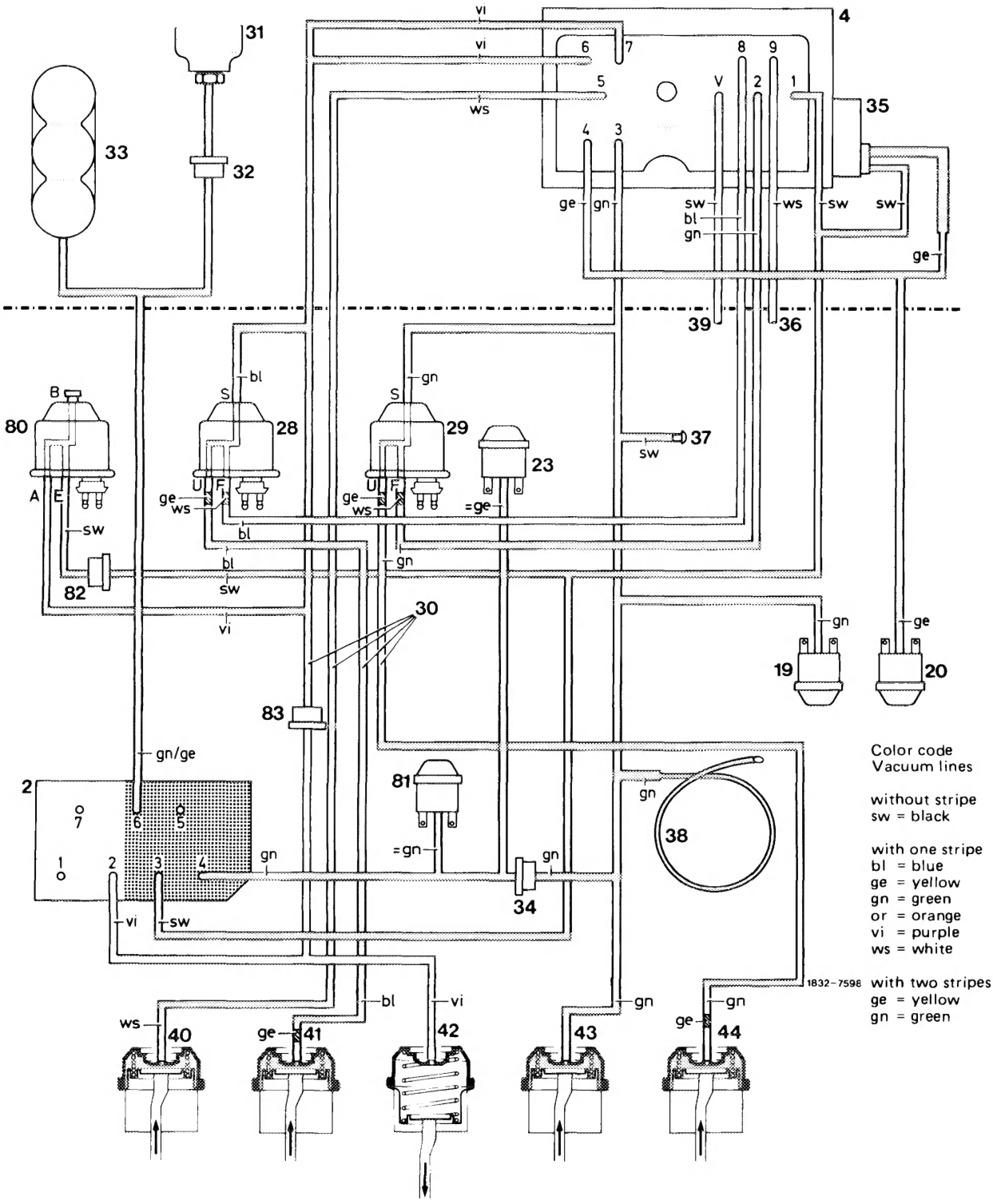
2 Pushbutton switch
4 Regulating valve
19 Vacuum switch (main switch, green)
20 Vacuum switch (refrigerant compressor, yellow)
23 Vacuum switch for refrigerant compressor (at "BI-LEVEL" only)
28 Switchover valve (legroom flaps)
29 Switchover valve (fresh air-recirculating air changeover switch)
30 Vacuum lines
31 Vacuum connection at intake pipe
32 Check valve
33 Vacuum reservoir
34 Check valve
35 Temperature switch
36 Vent line for legroom flaps
37 Vacuum connection for tester
38 Specified leak point
39 Vent line for regulating valve
40 Vacuum element for center jets (flap "open")
41 Vacuum element for legroom flaps (flaps "open")
42 Vacuum element for defroster jets (flaps "open" with leak air portion)
43 Vacuum element for main air flap (flap "open")
44 Vacuum element for fresh air-recirculated air flap (flap in position recirculated air 20 % fresh air/80 % recirculated air)
80 Switchover valve "BI-LEVEL"
81 Vacuum switch (at "BI-LEVEL" only)
82 Check valve
83 Check valve



Function diagram 7

Pushbutton switch at "BI-LEVEL", "ON/OFF" switch refrigerant compressor at "OFF", regulating valve in position max. "cooling" (fresh air), coolant temperature < 40 °C (< 104 °F)
(temperature switch [35] without influence)

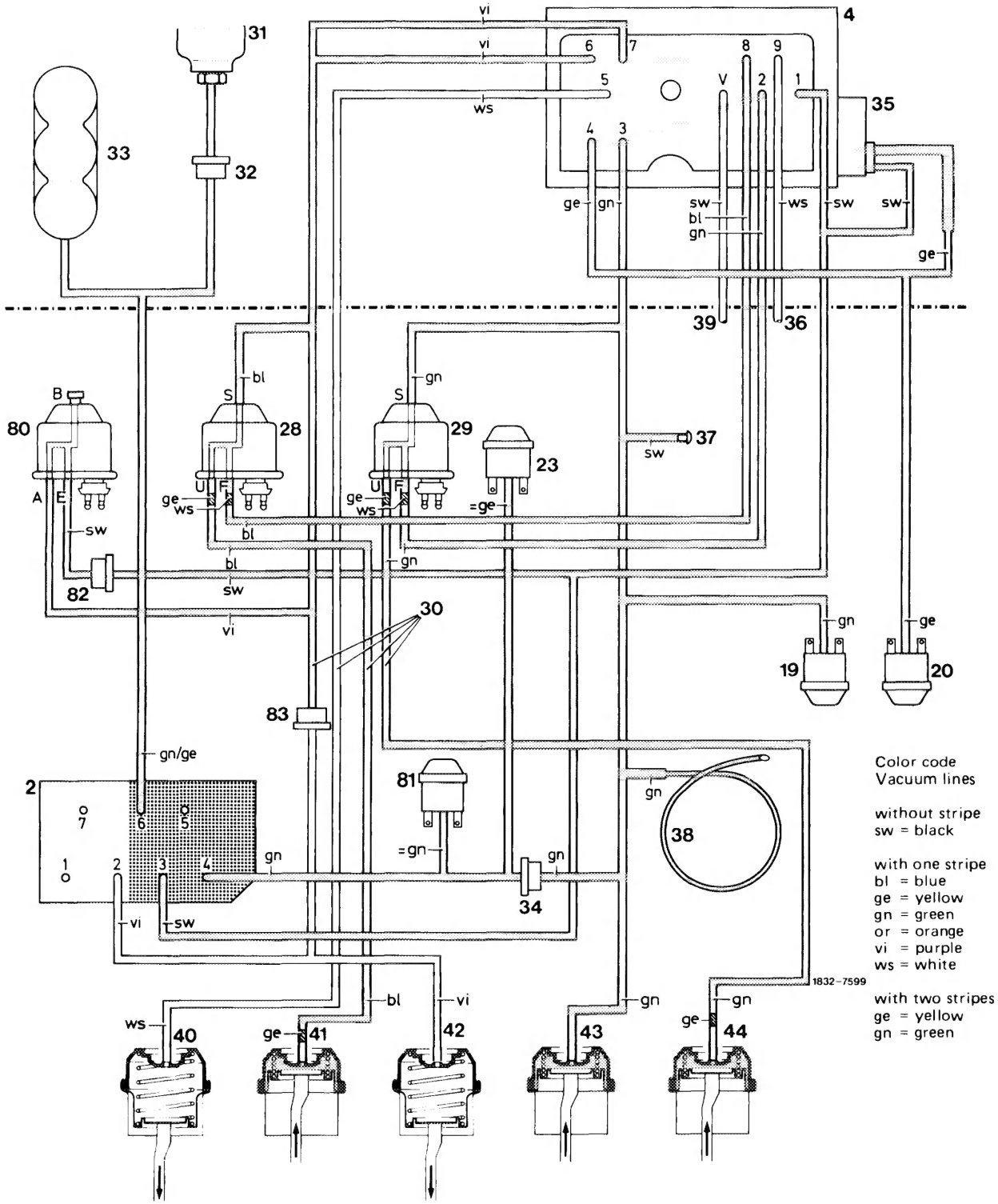
2 Pushbutton switch
4 Regulating valve
19 Vacuum switch (main switch, green)
20 Vacuum switch (refrigerant compressor, yellow)
23 Vacuum switch for refrigerant compressor (at "BI-LEVEL" only)
28 Switchover valve (legroom flaps)
29 Switchover valve (fresh air-recirculated air flap)
30 Vacuum lines
31 Vacuum connection at intake pipe
32 Check valve
33 Vacuum reservoir
34 Check valve
35 Temperature switch
36 Vent line for legroom flaps
37 Vacuum connection for tester
38 Specified leak point
39 Vent line for regulating valve
40 Vacuum element for center jets (flap "open")
41 Vacuum element for legroom flaps (flaps "open")
42 Vacuum element for defroster jets (flaps "open")
43 Vacuum element for main air flap (flap "open")
44 Vacuum element for fresh air-recirculated air flap (flap in position "fresh air")
80 Switchover valve "BI-LEVEL"
81 Vacuum switch (at "BI-LEVEL" only)
82 Check valve
83 Check valve



Function diagram 8

Pushbutton switch at "BI-LEVEL", "ON/OFF" switch refrigerant compressor at "ON", regulating valve in position "cooling", coolant temperature $< 40\ ^{\circ}C$ ($< 104\ ^{\circ}F$)
(temperature switch [35] without influence

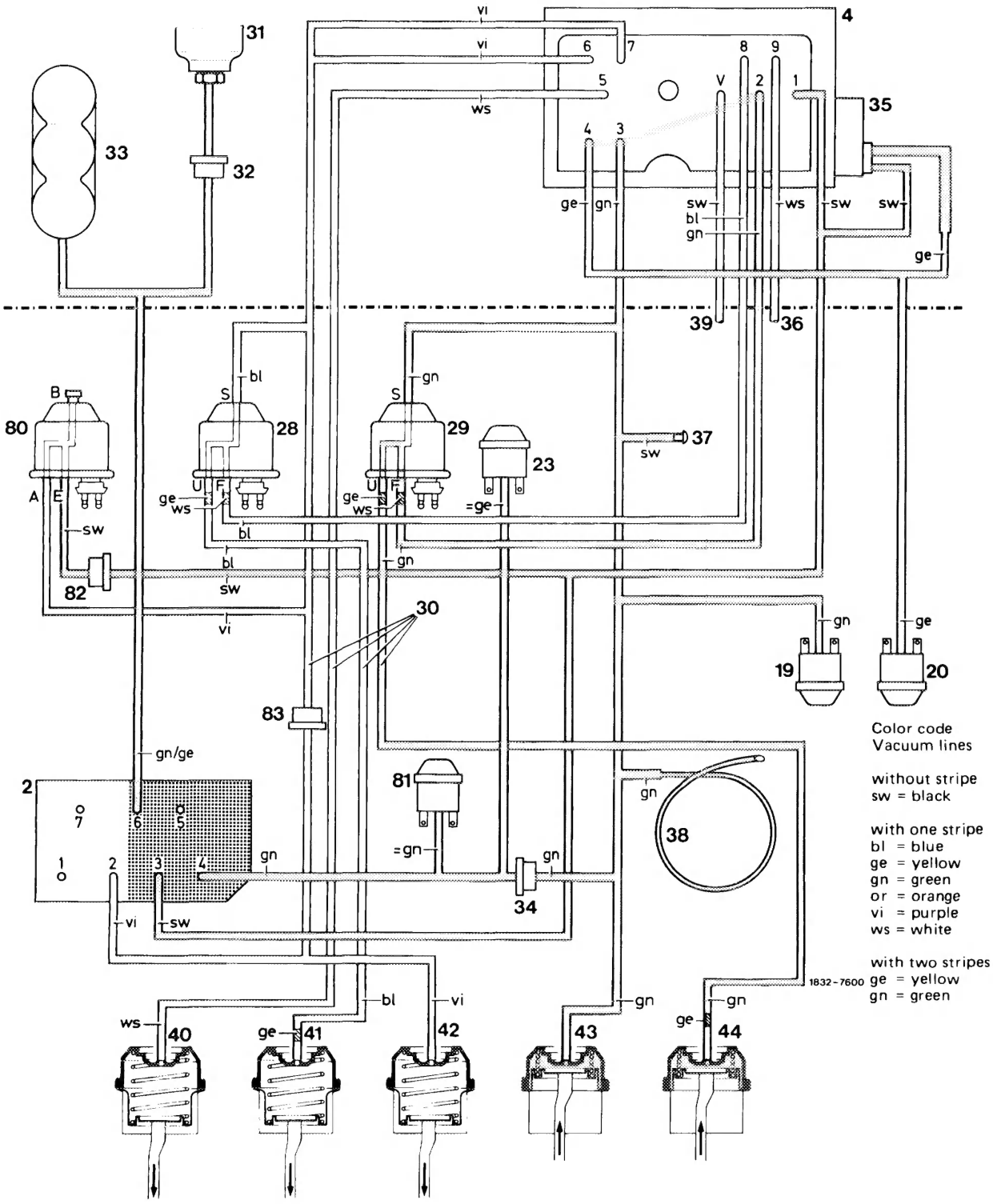
2 Pushbutton switch
4 Regulating valve
19 Vacuum switch (main switch, green)
20 Vacuum switch (refrigerant compressor, yellow)
23 Vacuum switch for refrigerant compressor (at "BI-LEVEL" only)
28 Switchover valve (legroom flaps)
29 Switchover valve (fresh air-recirculated air flap)
30 Vacuum lines
31 Vacuum connection at intake pipe
32 Check valve
33 Vacuum reservoir
34 Check valve
35 Temperature switch
36 Vent line for legroom flaps
37 Vacuum connection for tester
38 Specified leak point
39 Vent line for regulating valve
40 Vacuum element for center jets (flap "open")
41 Vacuum element for legroom flaps (flaps "open")
42 Vacuum element for defroster jets (flaps "open")
43 Vacuum element for main air flap (flap "open")
44 Vacuum element for fresh air-recirculated air flap (flap in position "fresh air")
80 Switchover valve "BI-LEVEL"
81 Vacuum switch (at "BI-LEVEL" only)
82 Check valve
83 Check valve



Function diagram 9

Pushbutton switch at "BI-LEVEL", "ON/OFF" switch refrigerant compressor at "ON", regulating valve in position "heating", coolant temperature >40 °C (> 104 °F), (temperature switch [35] without influence)

2 Pushbutton switch
4 Regulating valve
19 Vacuum switch (main switch, green)
20 Vacuum switch (refrigerant compressor, yellow)
23 Vacuum switch for refrigerant compressor (at "BI-LEVEL" only)
28 Switchover valve (legroom flaps)
29 Switchover valve (fresh air-recirculated air flap)
30 Vacuum lines
31 Vacuum connection at intake pipe
32 Check valve
33 Vacuum reservoir
34 Check valve
35 Temperature switch
36 Vent line for legroom flaps
37 Vacuum connection for tester
38 Specified leak point
39 Vent line for regulating valve
40 Vacuum element for center jets (flap "closed")
41 Vacuum element for legroom flaps (flaps "open")
42 Vacuum element for defroster jets (flaps "open" with leak air portion)
43 Vacuum element for main air flap (flap "open")
44 Vacuum element for fresh air-recirculated air flap (flap in position "fresh air")
80 Switchover valve "BI-LEVEL"
81 Vacuum switch (at "BI-LEVEL" only)
82 Check valve
83 Check valve



Function diagram 10

Pushbutton compressor at "DEF", "ON/OFF" switch refrigerant compressor at "ON", regulating valve in position "heating", coolant temperature < 40 °C (< 104 °F), (temperature switch [35] without influence)

2 Pushbutton switch
4 Regulating valve
19 Vacuum switch (main switch, green)
20 Vacuum switch (refrigerant compressor, yellow)
23 Vacuum switch for refrigerant compressor (at "BI-LEVEL" only)
28 Switchover valve (legroom flaps)
29 Switchover valve (fresh air-recirculated air flap)
30 Vacuum lines
31 Vacuum connection at intake pipe
32 Check valve
33 Vacuum reservoir
34 Check valve
35 Temperature switch
36 Vent line for legroom flaps
37 Vacuum connection for tester
38 Specified leak point
39 Vent line for regulating valve
40 Vacuum element for center jets (flap "closed")
41 Vacuum element for legroom flaps (flaps "closed")
42 Vacuum element for defroster jets (flaps "open")
43 Vacuum element for main air flap (flap "open")
44 Vacuum element for fresh air-recirculated air flap (flap in position "fresh air")
80 Switchover valve "BI-LEVEL"
81 Vacuum switch (at "BI-LEVEL" only)
82 Check valve
83 Check valve